

Title (en)

IMAGE FORMING APPARATUS AND IMAGE FORMING SYSTEM

Title (de)

BILDERZEUGUNGSVORRICHTUNG UND BILDERZEUGUNGSSYSTEM

Title (fr)

APPAREIL ET SYSTÈME DE FORMATION D'IMAGES

Publication

EP 4141560 A1 20230301 (EN)

Application

EP 22191882 A 20220824

Priority

- JP 2021141732 A 20210831
- JP 2021205884 A 20211220

Abstract (en)

An image forming apparatus to which a toner container is detachably mountable includes a mounting portion to which the toner container is detachably mountable and which includes a receiving port for receiving toner supplied from the toner container, a passage for permitting passing of the toner received through the receiving port and provided with a through hole, and a filter portion provided so as to cover the through hole and for permitting passing of air; and an accommodating portion configured to accommodate the toner received through the receiving port. At least a part of the through hole overlaps with the receiving port as viewed in a horizontal direction perpendicular to a direction of gravitation.

IPC 8 full level

G03G 15/08 (2006.01); **G03G 21/20** (2006.01)

CPC (source: EP US)

G03G 15/0808 (2013.01 - EP US); **G03G 15/0868** (2013.01 - EP US); **G03G 15/0872** (2013.01 - EP US); **G03G 15/0875** (2013.01 - EP US); **G03G 15/0877** (2013.01 - EP); **G03G 15/0886** (2013.01 - EP US); **G03G 21/1676** (2013.01 - EP US); **G03G 21/206** (2013.01 - EP US); **G03G 2215/0668** (2013.01 - EP US); **G03G 2215/0692** (2013.01 - EP US)

Citation (applicant)

JP 2021026218 A 20210222 - CANON KK

Citation (search report)

[XAI] EP 3762784 A1 20210113 - HEWLETT PACKARD DEVELOPMENT CO [US]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

US 11977344 B2 20240507; **US 2022404738 A1 20221222**; BR 102022016846 A2 20230314; CN 115729072 A 20230303; EP 4141560 A1 20230301; KR 20230032926 A 20230307

DOCDB simple family (application)

US 202217897565 A 20220829; BR 102022016846 A 20220824; CN 202211094856 A 20220830; EP 22191882 A 20220824; KR 20220104790 A 20220822